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Blaney, T.G., Effect of bias voltage on the frequency response of point contact Josephson radiation detectors 37A (1971) 19
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Bleekrode, R., A spectroscopic method for the determination of temperatures in hot gaseous systems 27A (1968) 673
Blessing, G.V., E.M. Alexander, J.R. Leibowitz, Anomalous normal state acoustic attenuation in niobium 46A (1973) 489
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